

Bibliography

61-1 Chemical Identity

MRID	Citation Reference
47206501	Mitchell, H. (2007) Product Chemistry of Insecticide TD Concentrate. Project Number: BR/2564, 201639, AM001704KF2. Unpublished study prepared by Bayer Corp. 408 p.

61-2 Description of Beginning Materials and Manufacturing Proces

MRID	Citation Reference
47206501	Mitchell, H. (2007) Product Chemistry of Insecticide TD Concentrate. Project Number: BR/2564, 201639, AM001704KF2. Unpublished study prepared by Bayer Corp. 408 p.

61-3 Discussion of Formation of Impurities

MRID	Citation Reference
47206501	Mitchell, H. (2007) Product Chemistry of Insecticide TD Concentrate. Project Number: BR/2564, 201639, AM001704KF2. Unpublished study prepared by Bayer Corp. 408 p.

62-2 Certification of limits

MRID	Citation Reference
47206501	Mitchell, H. (2007) Product Chemistry of Insecticide TD Concentrate. Project Number: BR/2564, 201639, AM001704KF2. Unpublished study prepared by Bayer Corp. 408 p.

62-3 Analytical Method

MRID	Citation Reference
47206501	Mitchell, H. (2007) Product Chemistry of Insecticide TD Concentrate. Project Number: BR/2564, 201639, AM001704KF2. Unpublished study prepared by Bayer Corp. 408 p.

63-2 Color

MRID	Citation Reference
47206501	Mitchell, H. (2007) Product Chemistry of Insecticide TD Concentrate. Project Number: BR/2564, 201639,

AM001704KF2. Unpublished study prepared by Bayer Corp. 408 p.

63-3 Physical State

MRID	Citation Reference
47206501	Mitchell, H. (2007) Product Chemistry of Insecticide TD Concentrate. Project Number: BR/2564, 201639, AM001704KF2. Unpublished study prepared by Bayer Corp. 408 p.

63-4 Odor

MRID	Citation Reference
47206501	Mitchell, H. (2007) Product Chemistry of Insecticide TD Concentrate. Project Number: BR/2564, 201639, AM001704KF2. Unpublished study prepared by Bayer Corp. 408 p.

63-7 Density

MRID	Citation Reference
47206501	Mitchell, H. (2007) Product Chemistry of Insecticide TD Concentrate. Project Number: BR/2564, 201639, AM001704KF2. Unpublished study prepared by Bayer Corp. 408 p.

63-12 pH

MRID	Citation Reference
47206501	Mitchell, H. (2007) Product Chemistry of Insecticide TD Concentrate. Project Number: BR/2564, 201639, AM001704KF2. Unpublished study prepared by Bayer Corp. 408 p.

63-15 Flammability

MRID	Citation Reference
47206501	Mitchell, H. (2007) Product Chemistry of Insecticide TD Concentrate. Project Number: BR/2564, 201639, AM001704KF2. Unpublished study prepared by Bayer Corp. 408 p.

63-18 Viscosity

MRID	Citation Reference
47206501	Mitchell, H. (2007) Product Chemistry of Insecticide TD Concentrate. Project Number: BR/2564, 201639,

AM001704KF2. Unpublished study prepared by Bayer Corp. 408 p.

81-1 Acute oral toxicity in rats

MRID	Citation Reference
47206503	Sargent, D. (2007) Bridging Rationale for Acute Toxicity Studies on Bayer Advanced Insecticide TD Concentrate. Project Number: BA07/DS/02, BA06/DS/11. Unpublished study prepared by Bayer Advanced. 12 p.
47783702	Sargent, D. (2008) Bridging Rationale for Acute Toxicity Studies for Insecticide TD Granule. Project Number: BA08/DS/02, BA08/DS/02A. Unpublished study prepared by Bayer CropScience. 11 p.

81-2 Acute dermal toxicity in rabbits or rats

MRID	Citation Reference
47206503	Sargent, D. (2007) Bridging Rationale for Acute Toxicity Studies on Bayer Advanced Insecticide TD Concentrate. Project Number: BA07/DS/02, BA06/DS/11. Unpublished study prepared by Bayer Advanced. 12 p.
47783702	Sargent, D. (2008) Bridging Rationale for Acute Toxicity Studies for Insecticide TD Granule. Project Number: BA08/DS/02, BA08/DS/02A. Unpublished study prepared by Bayer CropScience. 11 p.

81-3 Acute inhalation toxicity in rats

MRID	Citation Reference
47206503	Sargent, D. (2007) Bridging Rationale for Acute Toxicity Studies on Bayer Advanced Insecticide TD Concentrate. Project Number: BA07/DS/02, BA06/DS/11. Unpublished study prepared by Bayer Advanced. 12 p.
47783702	Sargent, D. (2008) Bridging Rationale for Acute Toxicity Studies for Insecticide TD Granule. Project Number: BA08/DS/02, BA08/DS/02A. Unpublished study prepared by Bayer CropScience. 11 p.

81-4 Primary eye irritation in rabbits

MRID	Citation Reference
47206503	Sargent, D. (2007) Bridging Rationale for Acute Toxicity Studies on Bayer Advanced Insecticide TD Concentrate. Project Number: BA07/DS/02, BA06/DS/11. Unpublished study prepared by Bayer Advanced. 12 p.
47783702	Sargent, D. (2008) Bridging Rationale for Acute Toxicity Studies for Insecticide TD Granule. Project Number: BA08/DS/02, BA08/DS/02A. Unpublished study prepared by Bayer CropScience. 11 p.

81-5 Primary dermal irritation

MRID	Citation Reference
47206503	Sargent, D. (2007) Bridging Rationale for Acute Toxicity Studies on Bayer Advanced Insecticide TD Concentrate. Project Number: BA07/DS/02, BA06/DS/11. Unpublished study prepared by Bayer Advanced. 12 p.
47783702	Sargent, D. (2008) Bridging Rationale for Acute Toxicity Studies for Insecticide TD Granule. Project Number: BA08/DS/02, BA08/DS/02A. Unpublished study prepared by Bayer CropScience. 11 p.

81-6 Dermal sensitization

MRID	Citation Reference
47206503	Sargent, D. (2007) Bridging Rationale for Acute Toxicity Studies on Bayer Advanced Insecticide TD Concentrate. Project Number: BA07/DS/02, BA06/DS/11. Unpublished study prepared by Bayer Advanced. 12 p.
47783702	Sargent, D. (2008) Bridging Rationale for Acute Toxicity Studies for Insecticide TD Granule. Project Number: BA08/DS/02, BA08/DS/02A. Unpublished study prepared by Bayer CropScience. 11 p.

830.1550 Product Identity and composition

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47206501	Mitchell, H. (2007) Product Chemistry of Insecticide TD Concentrate. Project Number: BR/2564, 201639, AM001704KF2. Unpublished study prepared by Bayer Corp. 408 p.
47662001	Huchet, G. (2008) Product Chemistry of Bayer Advanced Flower, Rose & Shrub Care II. Project Number: M/306688/01/1, BR2650. Unpublished study prepared by Bayer CropScience. 324 p.
47662301	Huchet, G. (2008) Product Chemistry of Bayer Advanced Flower, Rose and Shrub Care III. Project Number: BR/2654, M/307207/01/1, 08FD075. Unpublished study prepared by Bayer CropScience. 271 p.
47783701	Huchet, G. (2008) Product Chemistry of Insecticide TD Granule. Project Number: BR2632, FD05808, FD05908. Unpublished study prepared by Bayer CropScience. 246 p.

830.1600 Description of materials used to produce the product

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830.1620 Description of production process

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830.1650 Description of formulation process

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830.1670 Discussion of formation of impurities

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830.1700 Preliminary analysis

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47662301	Huchet, G. (2008) Product Chemistry of Bayer Advanced Flower, Rose and Shrub Care III. Project Number:

BR/2654, M/307207/01/1, 08FD075. Unpublished study prepared by Bayer CropScience. 271 p.

47783701 Huchet, G. (2008) Product Chemistry of Insecticide TD Granule. Project Number: BR2632, FD05808, FD05908. Unpublished study prepared by Bayer CropScience. 246 p.

830.1750 Certified limits

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47206501	Mitchell, H. (2007) Product Chemistry of Insecticide TD Concentrate. Project Number: BR/2564, 201639, AM001704KF2. Unpublished study prepared by Bayer Corp. 408 p.
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47783701	Huchet, G. (2008) Product Chemistry of Insecticide TD Granule. Project Number: BR2632, FD05808, FD05908. Unpublished study prepared by Bayer CropScience. 246 p.

830.1800 Enforcement analytical method

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47206501	Mitchell, H. (2007) Product Chemistry of Insecticide TD Concentrate. Project Number: BR/2564, 201639, AM001704KF2. Unpublished study prepared by Bayer Corp. 408 p.
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830.6302 Color

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47783701	Huchet, G. (2008) Product Chemistry of Insecticide TD Granule. Project Number: BR2632, FD05808, FD05908. Unpublished study prepared by Bayer CropScience. 246 p.

830.6303 Physical state

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47783701	Huchet, G. (2008) Product Chemistry of Insecticide TD Granule. Project Number: BR2632, FD05808, FD05908. Unpublished study prepared by Bayer CropScience. 246 p.

830.6304 Odor

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47662001	Huchet, G. (2008) Product Chemistry of Bayer Advanced Flower, Rose & Shrub Care II. Project Number: M/306688/01/1, BR2650. Unpublished study prepared by Bayer CropScience. 324 p.
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47783701	Huchet, G. (2008) Product Chemistry of Insecticide TD Granule. Project Number: BR2632, FD05808, FD05908. Unpublished study prepared by Bayer CropScience. 246 p.

830.6313 Stability to normal and elevated temperatures, metals, and metal ions

MRID	Citation Reference
47662301	Huchet, G. (2008) Product Chemistry of Bayer Advanced Flower, Rose and Shrub Care III. Project Number: BR/2654, M/307207/01/1, 08FD075. Unpublished study prepared by Bayer CropScience. 271 p.
47783701	Huchet, G. (2008) Product Chemistry of Insecticide TD Granule. Project Number: BR2632, FD05808, FD05908. Unpublished study prepared by Bayer CropScience. 246 p.

830.6314 Oxidizing or reducing action

MRID	Citation Reference
47662301	Huchet, G. (2008) Product Chemistry of Bayer Advanced Flower, Rose and Shrub Care III. Project Number: BR/2654, M/307207/01/1, 08FD075. Unpublished study prepared by Bayer CropScience. 271 p.

47783701 Huchet, G. (2008) Product Chemistry of Insecticide TD Granule. Project Number: BR2632, FD05808, FD05908. Unpublished study prepared by Bayer CropScience. 246 p.

830.6315 **Flammability**

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47206501	Mitchell, H. (2007) Product Chemistry of Insecticide TD Concentrate. Project Number: BR/2564, 201639, AM001704KF2. Unpublished study prepared by Bayer Corp. 408 p.
47662301	Huchet, G. (2008) Product Chemistry of Bayer Advanced Flower, Rose and Shrub Care III. Project Number: BR/2654, M/307207/01/1, 08FD075. Unpublished study prepared by Bayer CropScience. 271 p.
47783701	Huchet, G. (2008) Product Chemistry of Insecticide TD Granule. Project Number: BR2632, FD05808, FD05908. Unpublished study prepared by Bayer CropScience. 246 p.

830.6316 **Explodability**

MRID	Citation Reference
47662301	Huchet, G. (2008) Product Chemistry of Bayer Advanced Flower, Rose and Shrub Care III. Project Number: BR/2654, M/307207/01/1, 08FD075. Unpublished study prepared by Bayer CropScience. 271 p.
47783701	Huchet, G. (2008) Product Chemistry of Insecticide TD Granule. Project Number: BR2632, FD05808, FD05908. Unpublished study prepared by Bayer CropScience. 246 p.

830.6317 **Storage stability**

MRID	Citation Reference
47662001	Huchet, G. (2008) Product Chemistry of Bayer Advanced Flower, Rose & Shrub Care II. Project Number: M/306688/01/1, BR2650. Unpublished study prepared by Bayer CropScience. 324 p.
47662301	Huchet, G. (2008) Product Chemistry of Bayer Advanced Flower, Rose and Shrub Care III. Project Number: BR/2654, M/307207/01/1, 08FD075. Unpublished study prepared by Bayer CropScience. 271 p.
47783701	Huchet, G. (2008) Product Chemistry of Insecticide TD Granule. Project Number: BR2632, FD05808, FD05908. Unpublished study prepared by Bayer CropScience. 246 p.
48156001	Cheek, R. (2008) Storage Stability of Imidacloprid 0.74% + Clothianidin 0.37% SC in Various Package Types and Evaluate the Corrosion of the Various Packages. Project Number: 07SG005, 07MG006, M/311538/01/1. Unpublished study prepared by Bayer CropScience. 21 p.
48156101	Cheek, R. (2010) Storage Stability of Imidacloprid 0.55% + Clothianidin 0.275% Tree & Shrub GR in the Intended Package Type and Evaluate the Corrosion of the Intended Package. Project Number: 08SG011, 08MG010, M/361568/01/1. Unpublished study prepared by Bayer CropScience. 16 p.
48276801	Yarrow, E.; Edson, D. (2010) Storage Stability and/or Corrosion Characteristics of Imidacloprid 0.22% + Clothianidin 0.10% Gr. on 6-9-6 Fertilizer. Project Number: 09SG004, 09MG004. Unpublished study prepared by Bayer CropScience. 16 p.
48276901	Yarrow, E.; Edson, D. (2010) Storage Stability and/or Corrosion Characteristics of Imidacloprid 0.11% +

Clothianidin 0.05% + Tebuconazole 1.06% Gr. on Fertilizer. Project Number: 09SG003, 09MG003.
Unpublished study prepared by Bayer CropScience. 20 p.

830.6319 **Miscibility**

MRID	Citation Reference
47662301	Huchet, G. (2008) Product Chemistry of Bayer Advanced Flower, Rose and Shrub Care III. Project Number: BR/2654, M/307207/01/1, 08FD075. Unpublished study prepared by Bayer CropScience. 271 p.
47783701	Huchet, G. (2008) Product Chemistry of Insecticide TD Granule. Project Number: BR2632, FD05808, FD05908. Unpublished study prepared by Bayer CropScience. 246 p.

830.6320 **Corrosion characteristics**

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47662001	Huchet, G. (2008) Product Chemistry of Bayer Advanced Flower, Rose & Shrub Care II. Project Number: M/306688/01/1, BR2650. Unpublished study prepared by Bayer CropScience. 324 p.
47662301	Huchet, G. (2008) Product Chemistry of Bayer Advanced Flower, Rose and Shrub Care III. Project Number: BR/2654, M/307207/01/1, 08FD075. Unpublished study prepared by Bayer CropScience. 271 p.
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48156001	Cheek, R. (2008) Storage Stability of Imidacloprid 0.74% + Clothianidin 0.37% SC in Various Package Types and Evaluate the Corrosion of the Various Packages. Project Number: 07SG005, 07MG006, M/311538/01/1. Unpublished study prepared by Bayer CropScience. 21 p.
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830.6321 **Dielectric breakdown voltage**

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830.7000 pH

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830.7050 UV/Visible absorption

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830.7100 Viscosity

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830.7200 Melting point/melting range

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830.7220 Boiling point/boiling range

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830.7300 Density/relative density

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830.7370 Dissociation constants in water

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830.7550 Partition coefficient (n-octanol/water), shake flask method

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830.7560 Partition coefficient (n-octanol/water), generator column method

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830.7570 Partition coefficient (n-octanol/water), estimation by liquid chromatography

MRID	Citation Reference
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830.7840 Water solubility: Column elution method, shake flask method

MRID	Citation Reference
47662301	Huchet, G. (2008) Product Chemistry of Bayer Advanced Flower, Rose and Shrub Care III. Project Number: BR/2654, M/307207/01/1, 08FD075. Unpublished study prepared by Bayer CropScience. 271 p.
47783701	Huchet, G. (2008) Product Chemistry of Insecticide TD Granule. Project Number: BR2632, FD05808, FD05908. Unpublished study prepared by Bayer CropScience. 246 p.

830.7860 Water solubility, generator column method

MRID	Citation Reference
47662301	Huchet, G. (2008) Product Chemistry of Bayer Advanced Flower, Rose and Shrub Care III. Project Number: BR/2654, M/307207/01/1, 08FD075. Unpublished study prepared by Bayer CropScience. 271 p.
47783701	Huchet, G. (2008) Product Chemistry of Insecticide TD Granule. Project Number: BR2632, FD05808, FD05908. Unpublished study prepared by Bayer CropScience. 246 p.

830.7950 Vapor pressure

MRID	Citation Reference
47662301	Huchet, G. (2008) Product Chemistry of Bayer Advanced Flower, Rose and Shrub Care III. Project Number: BR/2654, M/307207/01/1, 08FD075. Unpublished study prepared by Bayer CropScience. 271 p.
47783701	Huchet, G. (2008) Product Chemistry of Insecticide TD Granule. Project Number: BR2632, FD05808, FD05908. Unpublished study prepared by Bayer CropScience. 246 p.

870.1100 Acute oral toxicity

MRID	Citation Reference
47662002	Moore, G. (2008) Acute Oral Toxicity Up and Down Procedure in Rats: Flower, Rose & Shrub Care II. Project Number: 25124, P320/UDP. Unpublished study prepared by Eurofins-Product Safety Laboratories. 14 p.
47662302	Sargent, D. (2009) Bridging Rationale for Acute Toxicity Studies for Flower, Rose and Shrub Care III. Project Number: BA09/DS/02, BA09/DS/02A. Unpublished study prepared by Bayer CropScience. 11 p.

870.1200 Acute dermal toxicity

MRID	Citation Reference
47662003	Moore, G. (2008) Acute Dermal Toxicity Study in Rats - Limit Test: Flower, Rose & Shrub Care II. Project Number: 25125, P322/RAT. Unpublished study prepared by Eurofins-Product Safety Laboratories. 14 p.
47662302	Sargent, D. (2009) Bridging Rationale for Acute Toxicity Studies for Flower, Rose and Shrub Care III. Project Number: BA09/DS/02, BA09/DS/02A. Unpublished study prepared by Bayer CropScience. 11 p.

870.1300 Acute inhalation toxicity

MRID	Citation Reference
47662004	Moore, G. (2008) Acute Inhalation Toxicity Study in Rats - Limit Test: Flower, Rose & Shrub Care II. Project Number: 25126, P330. Unpublished study prepared by Eurofins-Product Safety Laboratories. 22 p.
47662302	Sargent, D. (2009) Bridging Rationale for Acute Toxicity Studies for Flower, Rose and Shrub Care III. Project Number: BA09/DS/02, BA09/DS/02A. Unpublished study prepared by Bayer CropScience. 11 p.

870.2400 Acute eye irritation

MRID	Citation Reference
47206502	Durando, J. (2006) Insecticide TD Concentrate: Primary Eye Irritation Study in Rabbits. Project Number: 20434, P324. Unpublished study prepared by Product Safety Laboratories. 15 p.
47662005	Moore, G. (2008) Primary Eye Irritation Study in Rabbits: Flower, Rose & Shrub Care II. Project Number: 25127, P324. Unpublished study prepared by Eurofins-Product Safety Laboratories. 17 p.
47662302	Sargent, D. (2009) Bridging Rationale for Acute Toxicity Studies for Flower, Rose and Shrub Care III. Project Number: BA09/DS/02, BA09/DS/02A. Unpublished study prepared by Bayer CropScience. 11 p.

870.2500 Acute dermal irritation

MRID	Citation Reference
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47662006 Moore, G. (2008) Primary Skin Irritation Study in Rabbits: Flower, Rose & Shrub Care II. Project Number: 25128, P326. Unpublished study prepared by Eurofins-Product Safety Laboratories. 15 p.

47662302 Sargent, D. (2009) Bridging Rationale for Acute Toxicity Studies for Flower, Rose and Shrub Care III. Project Number: BA09/DS/02, BA09/DS/02A. Unpublished study prepared by Bayer CropScience. 11 p.

870.2600 Skin sensitization

MRID	Citation Reference
47662007	Moore, G. (2008) Dermal Sensitization Study in Guinea Pigs (Buehler Method): Flower, Rose & Shrub Care II. Project Number: 25129, P328. Unpublished study prepared by Eurofins-Product Safety Laboratories. 23 p.
47662302	Sargent, D. (2009) Bridging Rationale for Acute Toxicity Studies for Flower, Rose and Shrub Care III. Project Number: BA09/DS/02, BA09/DS/02A. Unpublished study prepared by Bayer CropScience. 11 p.

Non-Guideline Study

MRID	Citation Reference
47206500	Bayer Advanced (2007) Submission of Product Chemistry and Toxicity Data in Support of the Application for Registration of Insecticide TD Concentrate. Transmittal of 3 Studies.
47662000	Bayer Environmental Science (2009) Submission of Product Chemistry and Toxicity Data in Support of the Application for Registration of Flower, Rose & Shrub Care II. Transmittal of 7 Studies.
47662300	Bayer Advanced (2009) Submission of Product Chemistry and Toxicity Data in Support of the Application for Registration of Flower, Rose and Shrub Care III. Transmittal of 2 Studies.
47783700	Bayer Advanced (2009) Submission of Toxicity and Product Chemistry Data in Support of the Application for Registration of Insecticide TD Granule. Transmittal of 2 Studies.
48156000	Bayer Advanced (2010) Submission of Product Chemistry Data in Support of the Registration of Insecticide TD Concentrate. Transmittal of 1 Study.
48156100	Bayer Advanced (2010) Submission of Product Chemistry Data in Support of the Registration of Insecticide TD Granule. Transmittal of 1 Study.
48276800	Bayer Advanced (2010) Submission of Product Chemistry Data in Support of the Registration of Flower, Rose & Shrub Care III. Transmittal of 1 Study.
48276900	Bayer Advanced (2010) Submission of Product Chemistry Data in Support of the Registration of Flower, Rose & Shrub Care II. Transmittal of 1 Study.
49006100	Bayer Advanced (2013) Submission of Efficacy Data in Support of the Amended Registration of Merit 1.1% Insecticide Plus Fertilizer. Transmittal of 5 Studies.
49006104	Wang, B.; Gao, R.; Mastro, V.; et al. (2005) Toxicity of Four Systemic Neonicotinoids to Adults of Anoplophora glabripennis (Coleoptera: Cerambycidae). Journal of Economic Entomology 98(6): 2292-2300.